

INTERACTIVE IMAGES

ABSTRACT OF THE DISCLOSURE

5 A system and process for creating an interactive digital image, which
allows a viewer to interact with a displayed image so as to change it with regard
to a desired effect, such as exposure, focus or color, among others. An
interactive image includes representative images which depict a scene with
some image parameter varying between them. The interactive image also
10 includes an index image, whose pixels each identify the representative image
that exhibits the desired effect related to the varied image parameter at a
corresponding pixel location. For example, a pixel of the index image might
identify the representative image having a correspondingly-located pixel that
depicts a portion of the scene at the sharpest focus. One primary form of
15 interaction involves selecting a pixel of a displayed image whereupon the
representative image identified in the index image at a corresponding pixel
location is displayed in lieu of the currently displayed image.

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